

ORIGINAL

TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

DOCUMENT DESCRIPTION	DOCUMENT CONTROL NUMBER	DATE RECEIVED
8EHQ-12- 18778	88120000321	8 10 12

COMMENTS:

DOES NOT CONTAIN CBI



RECEIVED
OPPT CBIC

347777

2012 AUG 10 AM 10:12

The Dow Chemical Company
Midland, MI 48674
USA

1803 Building

August 9, 2012

Document Processing Center (7407M)
(Attn: TSCA Section 8(e) Coordinator)
Office of Pollution Prevention and Toxics
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460-0001



Re: 3-Amino -4-octanol
CASRN: 1001354-72-8

Dear Sir/Madam:

The following information is being submitted by The Dow Chemical Company (Dow) pursuant to current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act. Dow has made no determination as to whether a significant risk of injury to health or the environment is actually presented by the findings.

The test substance, 3-Amino -4-octanol was evaluated for skin corrosivity potential in an *in vitro* corrosion assay, EpiDerm (MatTek Corporation; Ashland, MA), utilizing cultured human epidermal cells. In this assay, the test substance was topically applied to a three-dimensional regenerated human epidermis tissue for two exposure periods, one for three minutes and another for one hour. Skin corrosion was expressed as the remaining cell viability after exposure to the test substance.

The tissue cell viability was measured using a standard cytotoxicity assay MTT (3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide) and reported as a percentage of the mean of negative control. Skin corrosion potential of the test substance was classified according to tissue viability following the two exposure periods. The test substance is considered corrosive if the mean viability is less than 50% at three minutes or $\geq 50\%$ at three minutes but less than 15% at one hour. Water served as a negative control and 8N potassium hydroxide was used as a positive control.

The mean tissue viability of 3-Amino -4-octanol dosing solutions following the three minute exposure period was 43.9% and following the one hour exposure period was 70.7% respectively. Since the mean viability of the test compound was less than 50% at three minutes, based on the EpiDerm prediction model for corrosion, the test compound, 3-Amino -4-octanol was classified as corrosive.

Questions may be addressed to the undersigned.

Sincerely,

Alicia M Fitzpatrick

Alicia M. Fitzpatrick



PH: 215-785-7033
FAX: 215-785-7227
E-MAIL: afitzpatrick@dow.com

CONTAINS NO CBI

From (989) 638-1472
Beth Stieve

Origin ID: MBSA



J12201207160325

The Dow Chemical Company
1803 BLDG
Midland, MI 48674

Ship Date: 09AUG12
ActWgt: 1.0 LB
CAD: 100935111/INET3300

Delivery Address Bar Code



SHIP TO: (123) 456-7890 X XX BILL SENDER
Document Processing Center (7407M)
TSCA Section 8(e) Coordinator
1201 CONSTITUTION AVE NW

WASHINGTON, DC 20460

Ref #
Invoice #
PO #
Dept #

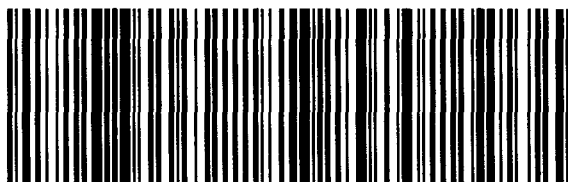
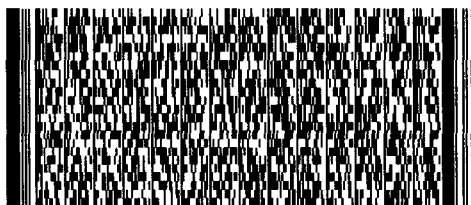
FRI - 10 AUG A1
FIRST OVERNIGHT

TRK# 7938 8702 5026

0201

20460
DC-US
DCA

X1 RDVA



515G20C34/AA44

After printing this label

1. Use the Print button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number. Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.